

**ARCHAEOLOGICAL INVENTORY REPORT DOCUMENTATION PAGE (HPD APR/93)**

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| <b>1. HPD REPORT NO.</b>  |   | <b>3. FIELDWORK DATE:</b><br>September 19, 2012                             |  |
| <b>2. TITLE OF REPORT:</b> A Cultural Resources Inventory<br>Survey for Environmental Quality Management, Inc.<br>Uranium Contamination Clean Up Project in Casamero<br>Lake, McKinley County, New Mexico |   | <b>4. REPORT DATE:</b><br>September 20, 2012                                |  |
| <b>5. CONSULTANTS NAME AND ADDRESS:</b><br>CSWTA, Inc.<br>Post Office Box 790<br>Tuba City, Arizona 86045   |   | <b>6. PERMIT NO.:</b><br>B12571   |  |
| <b>8. SPONSOR NAME AND ADDRESS:</b><br>Environmental Quality Management<br>6825 216 <sup>th</sup> Street SW, Suite J.<br>Lynnwood, Washington 98036   |   | <b>7. CONSULTANT REPORT NO.:</b><br>CSWTA-ARCH-2012074                      |  |
|   |   | <b>9. SPONSOR REPORT NO.:</b><br>NA   |  |
|   |   | <b>10. AREA OF EFFECT:</b> 20.24 ac<br><b>TOTAL AREA SURVEYED:</b> 24.79 ac |  |
| <b>11. LOCATION (MAP ATTACHED):</b>   |   |   |  |
| <b>a. Chapter:</b>  | Casamero Lake   | <b>e. Land Status:</b>  | Navajo Tribal Trust Lands                                  |
| <b>b. Agency:</b>   | Eastern Navajo  | <b>f. UTM Zone 12:</b>  | Parcel A: 3931575N, 770500E<br>Parcel B: 3931085N, 770475E |
| <b>c. County:</b>   | McKinley  | <b>g. Legal:</b>  | T15N, R11W, Section 32 & 33                                |
| <b>d. State:</b>  | New Mexico  | <b>h. 7.5" Map(s):</b>  | Thoreau NE, NM, 1963                                       |
|   |   | <b>i. Lead Agency:</b>  | EPA  |
| <b>12. REPORT ATTACHMENTS:</b>  |   |   |  |
| <b>a. Description of Undertaking:</b>   | The proposed undertaking will involve the clean up of uranium contamination at the abandoned Moe Mine in the area near Casamero Lake Chapter, New Mexico. The clean up projects has to parcels: Parcel A measures approximately 650 feet by 700 hundred feet with a 30 foot by 700 foot strip on the southern section of parcel A, totaling 476,000 square feet or 10.92 acres and Parcel B measures approximately 700 feet by 580 feet totaling 406,000 square feet or 9.32 acres. The total area of potential effect equals 882,000 square feet or 20.24 acres. Ground disturbance is expected to be intensive and extensive from the use of heavy equipment. |   |  |
| <b>b. Existing Data Review:</b>   | A check at the Navajo Nation Historic Preservation Department (NNHPD) site files indicated that no sites were previously recorded within 300 feet of the project area. One project was previously reported: #HPD 04-953. No sacred sites were reported.   |   |  |
| <b>c. Area Environmental and Cultural Setting:</b>  | The project areas are situated at an elevation between 7,040 and 7,100 feet above mean sea level. The proposed cleanup area is on   |   |  |

approximately 20.24 acres of disturbed land, which was the abandoned Moe Mine. Vegetation consists of galleta, snakeweed, four-wing saltbush, crested wheat, gum weed, aster, sand dropseed, Russian thistle, rabbitbrush, sagebrush, pincushion, cedar shrubs, prickly pear, cocklebur, and globemallow. The nearest water resources are several unnamed drainages to the north, west, east, and south. The contemporary cultural setting is modern Navajo. The prehistoric use was Anasazi.

- d. **Field Methods:** Carol S. Yazzie-Ward and Loretta Flatrock walked subparallel transects spaced 10-12 meters apart to survey for cultural resources. The survey included a buffer zone of 50 feet around the perimeter of parcel A and B. The total area surveyed equaled 1,080,000 square feet or 24.79 acres. Ms. Sharon Wellito, Community Service Coordinator for the Casamero Lake Chapter, was interviewed for knowledge of Traditional Cultural Properties or sacred places.

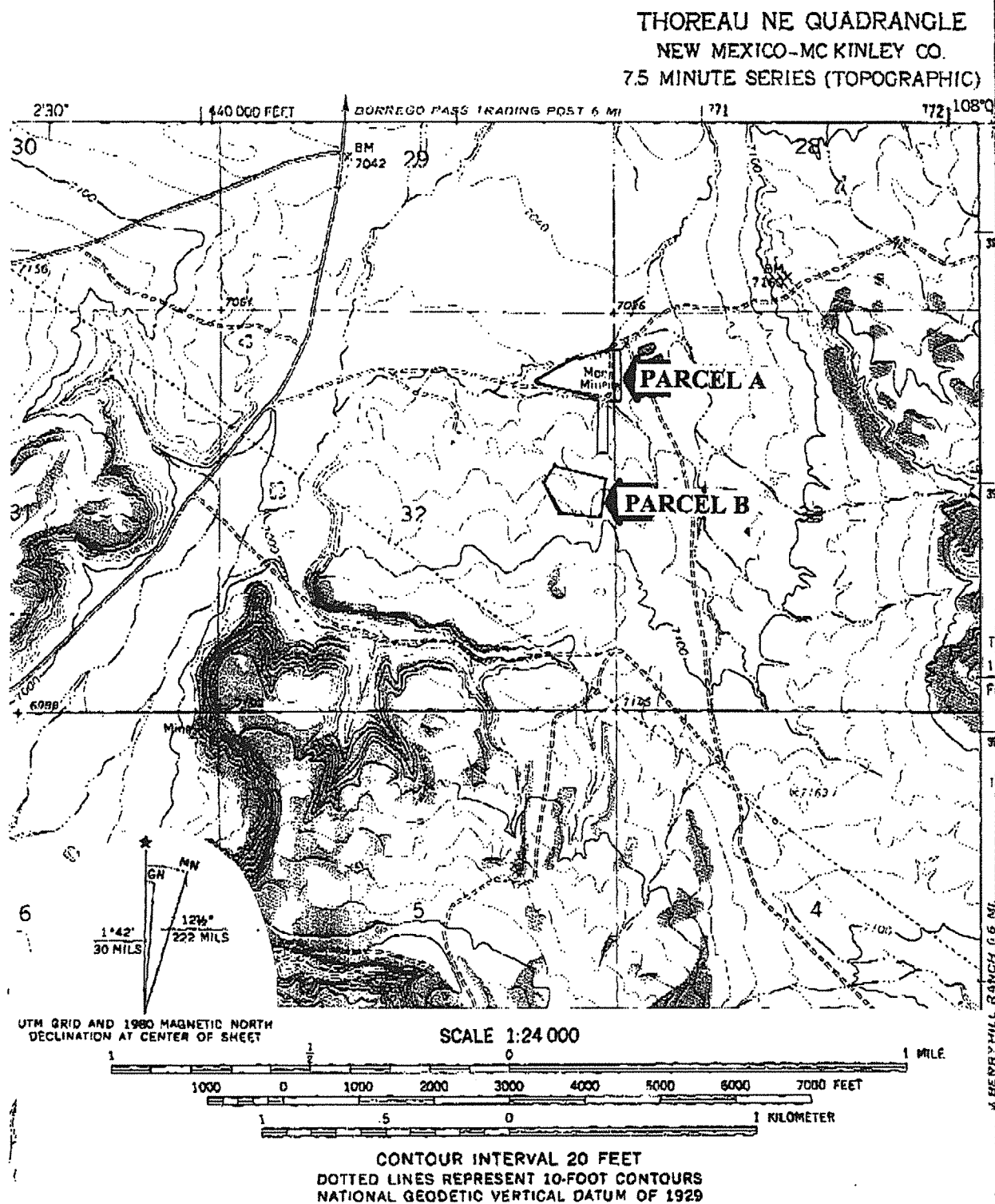
**13. CULTURAL RESOURCES FINDINGS:**

- a. **Location/Identification of Each Resource:** No cultural resources were inventoried and no sacred places were reported.

- b. **Evaluation of Significant of Each Resource:** No significant findings were made.

- 14. MANAGEMENT SUMMARY (Recommendation):** Archaeological clearances are recommended for removal and cleanup of the old abandoned Moe Mine under Environmental Quality Management guidelines.

- 15. CERTIFICATION:** Signature: \_\_\_\_\_ Date: 10/16/2012  
General Charge Name: Loretta Flatrock  
Signature: \_\_\_\_\_ Date: 10/16/2012  
Direct Charge Name: Carol S. Yazzie-Ward



**Figure 1. Abandoned Moe Mine project area plotted on USGS Thoreau NE Quadrangle, 7.5-minute series, McKinley County, New Mexico within the Casamero Lake Chapter.**